

FAQ – **REBEL™** Photo Optic System

Miller Edge **REBEL™** infrared thru beam photo optic system includes independently housed emitting and receiving units. Units are intended to be positioned to create an invisible light beam line to guard against entry into a potentially hazardous area. If an obstruction breaks the beam of light, a signal is sent to the motor controls to stop and/or reverse motion.



Q. What is included in a Miller Edge **REBEL™**?

A. The Monitored **REBEL™** Kit (MIRM) includes of an Emitter Eye, and a Receiver Eye, and orange Boots with standard mounting brackets. The Fail-safe **REBEL™** Kit (MIRF) also includes a separate IR controller.

Q. Do the eyes have to be perfectly aligned?

A. No, **REBEL™** is forgiving with alignment ($\pm 10^\circ$) but, we do recommend getting as close as possible. A level will be a helpful tool to use during installation.

Q. What is the maximum range?

A. Standard models are available to span up to 30 ft or 50 ft. The 50 ft models have a “-50” at the end of the part number.

Q. Can **REBEL™** be used as a monitored device?

A. Yes. **REBEL™** models beginning with “MIRM” are monitored devices.

Q. Can **REBEL™** be used with pre-2010 UL Listed commercial door operators?

A. Yes. **REBEL™** models beginning with “MIRF” are fail-safe and include an IR control unit so they can be used on older operators.

Q. Does **REBEL™** comply with UL325-2010 for commercial door operators?

A. **REBEL™** compliance with individual manufacturer’s operators requires these part numbers be included in the operators’ installation instructions.

Fail-safe models beginning with MIRF are intended for use with pre-2010 commercial door operators and include a separate fail-safe IR controller.

Q. What does a flashing green light mean on the MIRF controller?

A. The flashing green light indicates that the controller is receiving power, the eyes are properly aligned and the micro-processor is functioning normally.

Q. Are there any special tools needed to install or service a **REBEL™**?

A. A few tools will help make installation and trouble shooting easier:

1. A laser pointer or level is handy for installing and checking eye alignment.
2. A digital volt meter (DVM) or analog is ESSENTIAL for troubleshooting the system.

Q. What is the warranty?

A. **REBEL™** has a 2 year warranty that covers manufacturing defects. Please contact us for full details.

Q. How long does it take to install **REBEL™**?

A. That depends on familiarity and skill level. A qualified and experienced service professional will most likely complete installation in about 15-20 minutes.

